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**Jackson**

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(54) **SYSTEM AND METHOD FOR MANAGING ENERGY CONSUMPTION IN A COMPUTE ENVIRONMENT**

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This patent is subject to a terminal dis-  
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See application file for complete search history.

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(57) **ABSTRACT**

A system, method and non-transitory computer readable stor-  
age medium are disclosed for managing workload in a data  
center. The method includes receiving data related to at least  
one of a current state of workload in the compute environment  
at a current time and future workload scheduled to consume  
resources in the compute environment at a future time relative  
to the current time, wherein the compute environment com-  
prises a plurality of nodes in which compute resources are  
reserved by a workload manager for consumption, and con-  
trolling a cooling system to selectively modify a temperature  
of at least one node in the compute environment based on the  
data.

**11 Claims, 6 Drawing Sheets**

